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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/764,216	01/23/2004	Dale Wong	LEOPP001C1	9128	
26541 7	590 09/28/2004		EXAMINER		
RITTER, LANG & KAPLAN 12930 SARATOGA AE. SUITE D1			CHANG, DANIEL D		
SARATOGA AE. SUITE DI SARATOGA, CA 95070			ART UNIT	PAPER NUMBER	
,			2819	···	
			DATE MAILED: 09/28/2004	DATE MAILED: 09/28/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/764,216	WONG, DALE			
		Examiner	Art Unit			
		Daniel D. Chang	2819			
Period fo	The MAILING DATE of this communication apported in the policy of the second section apport the main and the second section apport to the second section apport to the second section apport to the second section apport	oears on the cover sheet with the c	orrespondence address			
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL'MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a repl period for reply is specified above, the maximum statutory period or tre to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tin y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 23 January 2004.					
2a) <u></u> ☐	This action is FINAL . 2b)⊠ This action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
5) <u>□</u> 6)⊠						
Applicati	on Papers					
10)⊠	The specification is objected to by the Examine The drawing(s) filed on <u>23 January 2004</u> is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	: a)⊠ accepted or b)□ objected drawing(s) be held in abeyance. See tion is required if the drawing(s) is obj	e 37 CFR 1.85(a). sected to. See 37 CFR 1.121(d).			
Priority ι	under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attack	Ma)					
Attachmen 1) Notice	t(s) e of References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
2) 🔲 Notic 3) 🔯 Inforr	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date <u>5/4/04</u> .	Paper No(s)/Mail Da				

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Chan et al. ("Architectural Tradeoffs in FPDB Computing Systems").

Chan discloses, in Fig. 3, a circuit comprising:

- a plurality of logic cells (see Logic in FPGAs); and
- a rearrangeable programmable network (I/O in FPGA and R1, R2) interconnection said logic cells, said programmable interconnection network having
- a plurality of programmable switches (see FPGA and Programmable routing in section III), each programmable switch having a plurality of input terminals and a number of output terminals (see Fig. 3), signals on any input terminal passed to any output terminal responsive to a programming of said switch (since FPGA and R1, R2 are programmable),

said plurality of programmable switches arranged in a Benes network (Fig. 3 shows a 3 stage C(2, 2, 4) Clos rearangeable network, see page 155 right column; it is implied that the circuit of Fig. 3 can be rearranged with Benes network, see page 152 right column) so as to form a rearrangeable network.

Even if Benes network is not implied, the Clos network of Fig. 3 can be rearranged with Benes network with programming of FPGAs and routing chips R1 and R2.

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Therefore, it would have been obvious at the time the invention was made to a person having ordinary skill in the art to rearrange circuit of Fig. 3 of Chan et al. with Benes network. It is an obvious matter of design choice.

The recitation that, "an integrated circuit" has not been given patentable weight because it has been held that a preamble is denied the effect of a limitation where the claim is drawn to a structure and the portion of the claim following the preamble is a self-contained description of the structure not depending for completeness upon the introductory clause. *Kropa v. Robie*, 88 USPQ 478 (CCPA 1951).

Regarding "the plurality of latches responsive to clock signals", it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations. Ex parte Masham, 2 USPQ2d 1647 (1987).

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

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Claims 1-5 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-3, 10, and 27 of U.S. Patent No. 6,693,456.

Although the conflicting claims are not identical, they are not patentably distinct from each other because the present application presents claims that are broader versions of the patented claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel D. Chang whose telephone number is (571) 272-1801. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael J. Tokar can be reached on (571) 272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Daniel D. Chang Primary Examiner

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DANIEL CHANG PRIMARY EXAMINER

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